

IN THE CLAIMS:

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~striketrough~~. The status of each claim is indicated with one of (original), (currently amended), (previously presented), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

Please AMEND claim 2 in accordance with the following:

1. (previously presented) A glass terminal for high-speed optical communication, said glass terminal comprising:

an eyelet member provided with an inserting hole;

a signal lead being inserted into said inserting hole and sealed with said eyelet member by glass filled in said inserting hole;

an optical element mounting block fixed to said eyelet member, said optical element mounting block having such a size to cover a range where said inserting hole is arranged, said optical element mounting block being provided with a coaxial hole arranged coaxially with said inserting hole and having a diameter larger than that of said signal lead, said signal lead extending into said coaxial hole;

said optical element mounting block having a side surface partially cut off so that an outer peripheral surface of the signal lead in said coaxial hole is partially exposed.

2. (currently amended) A glass terminal as set forth in claim 1, wherein said side surface of the optical element mounting block is cut off as a tapered surface, so that an exposed area of the outer peripheral surface of the signal lead in the coaxial hole is gradually increased.

3. (previously presented) A glass terminal for high-speed optical communication, said glass terminal comprising:

a metallic eyelet member having upper and lower surfaces and having a plurality of inserting holes extending substantially perpendicular to said upper and lower surfaces and spaced to each other;

signal leads being sealed to said eyelet member by glass filled in said inserting holes, respectively;

an optical element mounting block having a bottom surface fixed to said upper surface of the eyelet member, said bottom surface of the optical element mounting block having such a

size to cover a range of the upper surface the eyelet member where said plurality of inserting holes are arranged, said optical mounting block being provided with coaxial holes arranged coaxially with said inserting holes, respectively, each of said coaxial holes having a diameter larger than that of said signal leads, said signal leads extending into said respective coaxial hole;

said optical element mounting block having a side surface thereof partially cut off so that an outer peripheral surface of each of the signal leads is partially exposed.

4. (original) A glass terminal as set forth in claim 3, wherein a side surface of the optical element mounting block is cut off as a tapered surface, so that an exposed area of the outer peripheral surface of each of the signal leads in the respective coaxial hole is gradually increased.

5. (previously presented) An optical element comprising:
a glass terminal comprising:
a metallic eyelet member having upper and lower surfaces and having a plurality of inserting holes extending substantially perpendicular to said upper and lower surfaces and spaced to each other;
signal leads being sealed with said eyelet member by glass filled in said inserting holes, respectively;
an optical element mounting block having a bottom surface fixed to said upper surface of the eyelet member, said bottom surface of the optical element mounting block having such a size to cover a range of the upper surface of the eyelet member where said plurality of inserting holes are arranged, said optical element mounting block being provided with coaxial holes arranged coaxially with said inserting holes, respectively, each of said coaxial holes having a diameter larger than that of said signal leads, said signal leads extended into said respective coaxial hole;
said optical element mounting block having a side surface thereof partially cut off so that an outer peripheral surface of each of the signal leads is partially exposed;
a substrate mounted on a surface of said optical element mounting block perpendicular to said bottom surface; and
an optical element mounted on said substrate so that said optical element is electrically connected with said exposed portion of said signal leads.

6. (original) An optical element as set forth in claim 5, wherein said optical element mounted on said substrate is electrically connected with said exposed portion of said signal leads by means of wire-bonding.

7. (previously presented) A glass terminal for optical communication, the glass terminal comprising:

an eyelet member having an insertion hole therein;
a signal lead being inserted into the insertion hole and sealed with the eyelet member;
and
an optical element mounting block having a coaxial hole arranged coaxially with the insertion hole, wherein a diameter of the coaxial hole is larger than a diameter of the signal lead and the signal lead extends into the coaxial hole,

wherein the optical element mounting block is formed of a same piece with the eyelet member, and a side surface of the optical element mounting block is partially cut-off to partially expose an outer surface of the signal lead.

8. (previously presented) The glass terminal of claim 7, wherein an inner diameter of the coaxial hole is larger than an outer diameter of the signal lead so that there is a space between an outer circumference of an extension of the signal lead extending upward from the insertion hole and an inner circumference of the coaxial hole.

9. (previously presented) The glass terminal of claim 7, wherein the side surface of the optical element mounting block comprises a tapered surface, wherein an upper portion of the coaxial hole is partially exposed and the signal lead extended into the coaxial hole is partially exposed.

10. (previously presented) A glass terminal for optical communication, the glass terminal comprising:

an eyelet member having an insertion hole therein;
a signal lead to be inserted into the insertion hole and sealed with the eyelet member by means of glass filled in the insertion hole; and
an optical element mounting block having a coaxial hole formed of a tapered shape, wherein the signal lead extends into the coaxial hole, and a proximal end portion of the signal lead is encircled by the coaxial hole and a distal end portion thereof is exposed to an outside of

the optical element mounting block.

11. (previously presented) An optical element comprising:

a glass terminal comprising:

an eyelet member having upper and lower surfaces and a plurality of insertion holes perpendicular to the upper and lower surfaces and spaced apart from each other;

a plurality of signal leads to be inserted into the insertion holes and sealed by means of glass filled in the insertion holes;

an optical element mounting block having a plurality of coaxial holes arranged coaxially with the insertion holes and the coaxial holes comprising slanted surfaces thereon, wherein the signal leads extend upward through the coaxial holes and proximal ends of the signal leads are encircled by the coaxial holes and distal ends of the signal leads are partially exposed to an outside of the optical element mounting block;

a substrate mounted on a surface of the optical element mounting block perpendicular and spaced apart from a bottom surface of the optical element mounting block; and

an optical element mounted on the substrate and electrically connected with a portion of the signal leads partially exposed to the outside of the optical element mounting block.

12. (previously presented) A glass terminal for optical communication, the glass terminal comprising:

an eyelet member having an insertion hole therein;

a signal lead being inserted into the insertion hole and sealed with the eyelet member;

an optical signal which travels through the glass terminal; and

an optical element mounting block having a coaxial hole arranged coaxially with the insertion hole, wherein a diameter of the coaxial hole is larger than a diameter of the signal lead and the signal lead extends into the coaxial hole,

wherein the optical element mounting block is formed of a same piece with the eyelet member, and a side surface of the optical element mounting block is partially cut-off to partially expose an outer surface of the signal lead.

13. (previously presented) The glass terminal of claim 12, wherein an inner diameter of the coaxial hole is larger than an outer diameter of the signal lead so that there is a space between an outer circumference of an extension of the signal lead extending upward from the insertion hole and an inner circumference of the coaxial hole.

14. (previously presented) The glass terminal of claim 12, wherein the side surface of the optical element mounting block comprises a tapered surface, wherein an upper portion of the coaxial hole is partially exposed and the signal lead extended into the coaxial hole is partially exposed.

15. (previously presented) A glass terminal for optical communication, the glass terminal comprising:

- an eyelet member having an insertion hole therein;
- a signal lead to be inserted into the insertion hole and sealed with the eyelet member by means of glass filled in the insertion hole;
- an optical signal which travels through the glass terminal; and
- an optical element mounting block having a coaxial hole formed of a tapered shape, wherein the signal lead extends into the coaxial hole, and a proximal end portion of the signal lead is encircled by the coaxial hole and a distal end portion thereof is exposed to an outside of the optical element mounting block.